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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/167,267	10/06/1998	SEIJI SHIMIZU	P/2054-92	1164

7590 09/25/2002

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EXAMINER

KWOH, JASPER C

ART UNIT	PAPER NUMBER
2663	

DATE MAILED: 09/25/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)	
	09/167,267	SHIMIZU, SEIJI	
	Examiner	Art Unit	
	Jasper Kwoh	2663	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1) Responsive to communication(s) filed on 11 July 2002.

2a) This action is FINAL.                            2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4) Claim(s) 1-17 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5) Claim(s) 7 is/are allowed.

6) Claim(s) 1-3,5,6,8,9,11,12 and 14-17 is/are rejected.

7) Claim(s) 4,10 and 13 is/are objected to.

8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on 10/6/98 is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) The proposed drawing correction filed on \_\_\_\_\_ is: a) approved b) disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12) The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some \* c) None of:

1. Certified copies of the priority documents have been received.

2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.

3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

a) The translation of the foreign language provisional application has been received.

15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_

4) Interview Summary (PTO-413) Paper No(s) \_\_\_\_\_

5) Notice of Informal Patent Application (PTO-152)

6) Other: \_\_\_\_\_

## DETAILED ACTION

### *Drawings*

1. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the method and system wherein the operating speed of the CPU changes according to the frequency of the operation clock must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-3, 8-9, and 14-17 are rejected under 35 U.S.C. 102(b) as being anticipated by Oki Electric Ind. Co. LTD (Oki).

Regarding claims 1, 8, 14 and 16, Oki discloses a terminal and method comprising wireless transmitting/receiving means (i.e. fig. 1, constitution; radio receiver unit); detecting means detecting a received electric field strength (i.e. paragraph 21 of the example, lines 7-8; the system analysis the level of received radio wave, therefore, radio wave strength is inherently detected in order to obtain the strength information);

and operation clock control means controlling the frequency of an operation clock for processing data transmitted and received based on a received electric field strength (i.e. paragraph 21 of example, lines 6-10; clock generation part increase/decrease clock frequency causing change in operation speed mode of the data processing section depending on the strength of the received radio wave).

Regarding claims 2 and 9, Oki discloses that the frequency becomes smaller as the electric field strength becomes smaller (i.e. paragraph 21 of example, lines 6-7, processing speed is lowered when the radio wave is weak because the clock frequency is reduced).

Regarding claim 3, it is inherent that the method and system of Oki uses memory means stored the electric field strength for the clock control means because the received information has to be stored in order to be used by other components of the system.

Regarding claims 15 and 17, Oki discloses when the frequency of the operation clock changes the operating speed of the CPU will change because the speed of the CPU depends on the clock speed (i.e. paragraph 21 of example, lines 6-10; clock generation part increase/decrease clock frequency causing change in operation speed mode of the data processing section depending on the strength of the received radio wave).

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 5-6 and 11-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Oki Electric Ind. Co. LTD in view of Kondo.

Regarding claims 5-6 and 11-12, Oki does not specifically disclose the system and method uses interrupt signals to control the frequency of the clock. However, Kondo discloses interrupt signals controlling the frequency of the clock (i.e. col. 5, ll. 66-68; the clock control circuit interrupts clock synchronization using CC). Therefore, it would have been obvious to use interrupt signals to control clock frequency as taught by Kondo with the method and terminal of Oki in order to control the clock pulses and stop the synchronization operation.

#### ***Allowable Subject Matter***

6. Claim 7 is allowed.

7. Claims 4, 10 and 13 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

#### ***Response to Arguments***

8. Applicant's arguments with respect to claims 1-3, 5-6, 8-9 and 11-13 have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jasper Kwoh whose telephone number is (703) 305-0101. The examiner can normally be reached on Monday-Friday.

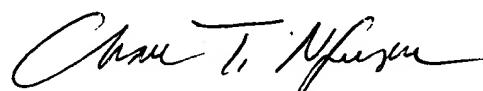
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau Nguyen can be reached on (703)308-5340. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9314 for regular communications and (703) 872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)305-4700.

Jasper Kwoh  
Examiner  
Art Unit 2663



JK  
September 23, 2002



CHAU NGUYEN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600